



© Efron 1982

Presented by **YEM: ARTISTS USING SCIENCE AND TECHNOLOGY**

SATURDAY, MARCH 20  
2-5 in the afternoon  
at Friends' Meeting  
House, 957 Colorado,  
Palo Alto, (Take 280  
or 101 to Page Mill -  
Oregon Exp., turn So.  
on Louis, Ea. on Colo.)

- Microphotographer Stennett Healdon: 'Insect Form & Function'
- Game Designer Kirk Kelly: 'Ecology and the "Survive Game."'
- Geologist Burt Harrell: 'Geology Shapes Landscapes'
- Cartographer Tau Rho Alpha: 'Mt. St. Helens, A Study in Grey'
- Photographer Nancy Fox: 'Beyond the Naked Eye in Meadows'

# Ylem SPRING CALENDAR 1982

*Ylem (Bye-lum) : The primordial stuff out of which the universe emerged. (fr. Greek word for matter).*

- MARCH 5 - MAY 30**      "SACRA CONVERSAZIONE" Holograms by Douglas Tyler  
Holos Gallery 1792 Haight Street, San Francisco.
- MARCH 13**  
1-5 PM      GRAPHICS GATHERING "COLOR" Lowden-Nelson Community Center  
301 Center Street, Santa Cruz
- MARCH 19-21**  
Fri.-Sat. 9AM-6PM  
Sunday 12-5PM      7th ANNUAL COMPUTER FAIRE Brooks Hall Grove & Polk, San Francisco  
Tickets \$15 (good all 3 days); Computer Mfrs. & Software Cos. have  
displays, as do some user groups. 100 speakers.  
(Leave in time for the YLEM meeting Saturday!)
- MARCH 20**  
2PM      YLEM Meeting: "BIOSPHERE & GEOSPHERE" Palo Alto Friends Meeting  
House 957 Colorado Palo Alto
- MARCH 27**  
DEADLINE      PALO ALTO FILM FESTIVAL COMPETITION Super 8, Regular 8, 16mm.  
\$1500 in prizes; contact Kathleen Osterland PA Cultural Center  
1313 Newell Road Palo Alto 94303
- APRIL 1st**  
DEADLINE      WORLD PRINT COUNCIL, SAN FRANCISCO, Seeks copy art, computer graphics,  
offset printing being used for fine arts. Call 776-9200 for appt.  
(For World Print Conference in May. "NEW PRINT (MAKING) TECHNOLOGIES").
- EARLY APRIL 1**      ICED AUCTION DONATIONS DUE! See your work on TV!
- APRIL 4th**  
2 PM      FIGGRAPH MEETING The nuts & bolts (both hard & soft) of computer  
graphics discussed at Howard Pearlmutter's 115 Clearcreek Road  
Brookdale, CA 95007
- APRIL 9**  
DEADLINE      STATE PARKS POSTER COMPETITION Regional prize \$200, statewide  
prize \$1000; for entry rules contact Lenwood Sloan or Andrea Dodson  
California Arts Council 1901 Broadway Sacramento, CA Ph. 445-1530
- APRIL 10th**  
DEADLINE      ANTI WORLD WAR III & FOR THE FUTURE Theme for International Arts  
Festival in May; open to visual arts, installation, video,  
performing arts, Box 3142B San Francisco, CA 94131 (415) 282-5439
- APRIL 18**  
3 PM      A FRIENDLY CRITIQUE OF YOUR WORKS for YLEM Members by Edith Smith,  
Art professor at Foothill College. Bring up to 6 works (not slides)  
to the home of Helen King, 670 Covington, Los Altos (near 280)  
Phone (415) 856-9593 for details.
- MAY 22**  
2-5 PM      THEORY BECOMES FLESH - Next YLEM Meeting, San Francisco  
Location to be announced.
- PLAN FOR SUMMER!**      INTERNATIONAL SOCIETY OF HI-TECH ARTISTS CONFERENCE August 20-22  
Contact Jane Hutton Department of Computer Science, Vancouver, BC
- PLAN FOR SUMMER!**  
July 26-30      SIGGRAPH 9th Annual Conference on Computer Graphics & Interactive  
Techniques in Boston, Mass. Contact: Association for Computer  
Machinery 1133 Avenue of the Americas N.Y., N.Y. 10036

## YLEM RESOURCE LIST

Nature Company 1999 El Dorado Ave. Berk. 524-5336  
Stanford Shopping Center Palo Alto 321-9833  
4 Embarcadero Center San Francisco

Naturalist supplies, books, field guides binoculars & scopes.  
Mail Orders welcome.

Lucas Book Co. 2438 Bancroft Way, Berkeley 848-3311  
Nature books, maps, & globes.

Sierra Club Store & Info. Center 538 Bush, San Francisco  
981-8634

Books, posters, shirts, cards... also Sierra Club  
"Issues Hotline", answer questions.

Peninsula Conservation Center 2253 Park Bl., Palo Alto  
(near California Ave. CO-OP market)

Nature & environmental books, conservation supplies & gifts  
library, demo. garden, current events/community bulletin  
boards. 328-5313

Dymaxion Artifacts 3501 Market St. Philadelphia, Pa. 19104  
Bucky Fuller paraphernalia, new computerized Dymaxion globe

Audobon Society Santa Clara Valley 2253 Park Bl. Palo Alto  
328-5315

California Native Plant Society  
Committee for Green Foothills  
2253 Park Bl., Palo Alto 328-5313

Environmental Volunteers 2253 Park Bl., Palo Alto 327-6017  
Extension to Schools

Nature Explorations 2253 Park Bl., Palo Alto 324-8737  
40 classes & trips per season: Bay Area-Sierra. Call to  
receive tri-yearly schedule.

Peninsula Recycling Operation  
2253 Park Bl., Palo Alto 328-5535

Sierra Club Loma Prieta Chapter 2253 Park Bl., Palo Alto  
328-5535

Hall of Flowers Golden Gate Park, San Francisco 558-3786  
corner 9th Ave. & Lincoln Way 94122  
Lecture hall for garden, flower societies of SF. Send 1 self-  
addressed envelope (to Irene) for each month of event listings  
you wish to receive.

Audobon Society Golden Gate 2718 Telegraph Ave., Berkeley  
843-2222

Large chapter, field trips, can join locally and receive  
"The Gull" bulletin for \$6/year.

Friends of the Earth 124 Spear, San Francisco 495-4770

Not Man Apart 124 Spear, San Francisco 495-4477

Green Peace Foundation Fort Mason, San Francisco 441-3993

Libraries Open to the Public

U.C. Berkeley. (you can buy a library card at Main Library)

Natural Resources Library

(life sciences, ecology, agriculture)

642-4493. Hrs Mon-Thurs 9-9, Fri 9-5, Sat Sun 1-5

Earth Science Library

(geology, map room, geography, paleontology)

642-2997. Hrs. Mon-Thurs 9-7, Fri 9-5, Sat Sun 1-5

Stanford University

Falconer Biology Library

small display of skeletons, animals as well

Hrs. Mon-Thurs 8-11, Fri 8-6:30, Sat 10-5, Sun 10-10

Brenner Earth Sciences Library 497-1528

maps & minerals

Hrs. Mon-Thurs 8-10, Fri 8-5, Sat 9-5, Sun 1-10

Supplies / Stores

East Bay Vivarium 5000 Shellmound, Emeryville 652-2256

Reptiles & amphibians & exotics, an interesting browsing petstore.

Fantasy Land. Arts & Crafts. 2086 El Camino Real, Palo Alto

857-1203

Feathers, beads, shells, raffia & reeds.

Studio D, Floral & Craft Center 657 Alms, Palo Alto 328-1040

same as above & semi-precious stones.

Architectural Model Supplies, Inc.

115-B Bellam Blvd. P.O. Box 3497 San Rafael, Ca. 457-6100

Model Makers Supplies 216 Townsend, San Francisco 495-5111

Scaled materials for environmental model makers, architects, & designers, including landscape miniatures.

Where to Go to See...

Carnegie Institute 290 Panama St., Palo Alto 325-1521

Guide the curious around their Plant Research Facility.

Experimental South American shrubbery, too.

Geology Dept. Stanford Univ. 497-2537

Mon-Thurs 8-12, 1-5 pm.

Magnificent minerals in Mitchel, splendid shells in Geology corner Bldg.

U.C. Berkeley Museum of Paleontology 642-1821

3 floors, fossils, bones, rocks, shells, & seismograph.  
Mon-Fri 8-5, Sat Sun 1-4

Palo Alto Jr. Museum

329-2111

Mon-Thurs 10-12, 1-5 Sat 10-5 Sun 1-4

Natural phenomena, local live animals, natural items on display.  
"Creation Location" Do your art right there.

Baylands 329-2586

Free programs, slides, movies, lab. microscopes, walks, open ecology workshops Wed-Fri 2-5, Sat Sun 10-12

U.S. Geological Survey 345 Middlefield, Menlo Park

make topological & assorted maps, maps for sale & pamphlets for sale. Library open to public, group tours of dept.

State of California Division of Mines & Geology

Ferry Bldg., San Francisco 557-8633

Multitudes of magnificent minerals on display.

Marine Ecological Institute 811 Harbor Blvd., Redwood City

364-2768

Classes out on Bay in marine Bio, Eco, fish trawls, sediment samples. Have microscope which projects on wall! Call for class/price schedule.

Exploratorium Palace of Fine Arts, Lyon & Marina Blvd. S.F.

Experiential science & technology - touch, see, smell, hear, explore. Wed-Fri 1-5 Wed evenings 7-9:30 weekends 12-5

San Francisco Zoo Sloat Blvd. at the ocean 661-4844

More than 1800 animals and birds in wooded setting, daily 10-5

Science Museum California Academy of Sciences, Golden Gate Park, S.F.

natural history, anthropology, space daily 10-5

Strybing Arboretum 661-1316

Near Minth Ave. at Lincoln Way, Golden Gate Park, S.F.  
70 landscape acres, with 6000 plants  
weekdays 8-4:30 weekends, holidays 10-5

Steinhart Aquarium California Academy of Sciences,

Golden Gate Park 752-8268

14,500 live aquarium specimens

Randall Junior Museum 199 Museum Way off Roosevelt, S.F.

Tue-Sat 10-5 863-1399



Oakland Zoo Knowland Park 568-2478  
daily 10-4:30

Rotary Science Center Bellevue and Perkins St., Lakeside  
Park, Oakland  
daily 9-5 273-3739

Lawrence Hall of Science Centennial Drive, UC-Berkeley  
642-5132  
computer games, microprocessors, biology lab, astronomy demos,  
daily 10-4:30

UC Botanical Garden Strawberry Canyon, UC-Berkeley  
Various plants daily 9-5. free tours Sat Sun 1:30

Coyote Point Museum Coyote Point Park  
Highway 101, San Mateo  
computers, dioramas, live animals, Wed-Fri 10-5 weekends 1-5

The Power of Limits. Proportional Harmonies in Nature,  
Art and Architecture Gyorgy Doczi, 1981 Shambala \$9.95 paper

THIS IS THE BOOK, Da Vinciesque in scope and importance. The architectural, floral, zoological, alphabetical and artistic, all mapped out in their striking and essential fundamentals. Glorious illustrated examples. We have all felt moved by "intrinsic beauty", and Doczi (an architect) shows us why - by revealing the underlying structural geometries which abound in natural and man-made works of "art". If you wish to find a common denominator in your aesthetic experiences, look here first.

Scientific Illustration: a Guide to Biological, Zoological  
and Medical Rendering Techniques, Design, Printing and  
Display. Phyllis Wood. 1979. \$17.95 (April in paperback  
\$9.95) Van Nostrand Reinhold.

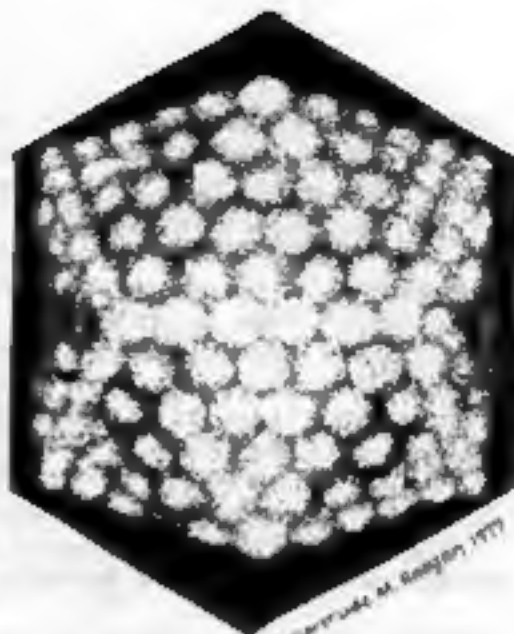
A vital reference for all illustrators - featuring every technique under the sun for depicting 3-dimensional form (pre-computer). This handsome book is chock-full of well executed inspiring illustrations (color too), and explanatory graphics. The complete coverage (as the title suggests) makes it important to those practicing, admiring or learning about the representation of nature's myriad manifestations.

Desert Notes: Reflections in the Eye of a Raven  
River Notes: the Dance of Herons. Barry Holstun Lopez  
\$2.25 ea. Avon.

Not your run-of-the-mill naturalist chatagau in the style of Lives of a Cell and Co., and certainly the opposite end of the spectrum from Darwinian (verbose) dissertation. You won't find ripe quotable facts here (go to your texts), but spend some time contemplating the depth in these simple poetic anecdotes. The writing triggers an understanding for the observer of earth. Awareness abounds. Reading his works is like being in nature's very essence; it will make your next voyage out the door different.

## THE ARTISTS

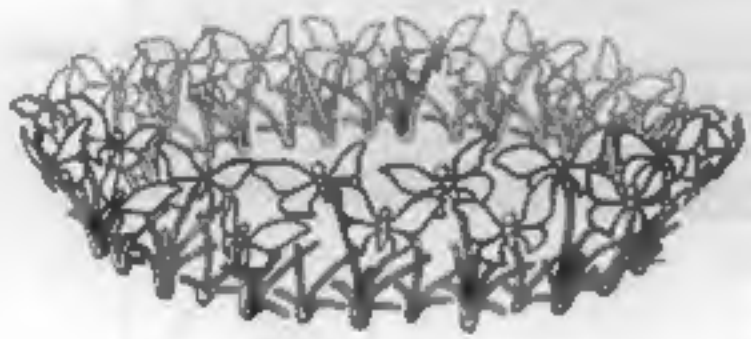
**GERTRUDE MYRRH REAGAN, Fiber Artist:** "To draw or diagram something is to "own" it in an odd way. I started out wanting to "own" the graceful intricacy of maps and cells. Then, I began to see relationships between common natural patterns, and showed groups of them integrated within a single work. This was the common thread in my drawings, prints, scrapbooks, slide shows, and batiks. Doing these, I found that each pattern stands for shifting and repeating relationships. Now my big love is fluid dynamics, which I hope to animate with computers someday. Patterns and symbols are ciphers, abbreviations for the complexity of reality, but for me they have also been pointers toward new worlds of ideas to "own".



© Gertrude M. Reagan 1977

Visual Inquiry

**MERRY RENK, Goldsmith:** "Animals have had strong personal meaning in my dreams for many years, and after working with images of family landscapes as well as single animals, it was a natural outgrowth to develop animal families as mandalas. These animal images are for me the freedom to express multi-layered concepts, including the cycle of life which one family represents. My jewelry has become a journal of families, dreams, places, and events. The wedding crown, "Butterfly Tree" reflects my happy memories of Monarch butterflies and the splendor of their clustering on the pine trees in Pacific Grove."



Merry Renk © Merry Renk 1977

**PAMELA GREENE, Illustrator:** "I've recently graduated from Cornell in the field of Botany. I've had a healthy smattering of related sciences, and even non-related sciences like holography (we MADE holograms). All the while (here comes the art part) I've been illustrating, oil painting, and claying, studying scientific illustration at the Museum of Comparative Zoology, Cambridge, MA, and sketched astonishing flowers in Costa Rica. I've discovered the best way to learn the essence of a thing is to draw it, then it becomes like an old friend."

**GAIL D'ARCY EFRON, painter (cover design):** "I am interested in the interplay of the animate and the inanimate. The systems, creatures, and cycles of nature are recurrent themes in my work. Here, some things are in motion, some spent, and some just coming to be. The eye is drawn to the drama between the rabbit and the dog taking place amidst the layers of the earth, but the cast of characters includes all that we see (and don't see), and the story extends far beyond this moment."

"The reason most contemporary bugs or rocks or faces are more interesting than most contemporary art is because the former offers new information, new experience, but the latter offers only a grammarian's funeral." Fred Martin, Arbree

THE POTLUCK at Trudy Reagan's home Feb. 20 was lively! Joel Simon showed slides taken with a macro lens while skin diving in the Carribean. Trudy had new information from John O'Neill about getting 4-color postcards printed cheaply, and showed the letter which will be sent to galleries to interest them in our juried show. Artists interested in having 1000 postcards printed of their work at 15¢ ea., contact her, 415 866-9593. She also needs slides of a few of their works for galleries. Label them, and don't send originals!

(Send to Yiem address below.)

OFFERING: Used audio-visual equipment at 25% original price, plus enormous light table, from a production studio. Call Bernado, 415 777-1754.



© Pam Greene 1982

WANTED: Computer-assisted art works, graphics hardcopy for fall shows organized by: San Jose Institute of Contemporary Art., 377 S.1st St., S.J., (408) 998-4310; Creation Location, PA Cultural Ctr., 1313 Newell Rd., P.A. (415) 329-2366.

Also, send information about your computer-aided films, animation, & video to Will Stone Collections, 580 Sutter, San Francisco. Stone hopes to organize a performance. info, phone (415) 956-2123

Send to Yiem, 967 Moreno, Palo Alto, CA 94303

I would like:

- to receive a sample issue.
- a year's membership. \$10 is enclosed.
- newsletter only, since I live more than 100 miles from both San Francisco and Palo Alto. \$5 is enclosed.

My needs, interests, specialties:

Suggestions, other interested artists:

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone ( ) \_\_\_\_\_



ARTISTS USING SCIENCE & TECHNOLOGY

967 Moreno, Palo Alto, CA 94303

FIRST CLASS

Return Postage Guaranteed

Address Correction Requested